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From: Rik Lantz
Sent: Fri 4/22/2016 10:02:17 PM
Subject: USS Lead - Weekly update 4/21/2016
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USS Lead Weekly Update – 4/21/2016

The USS Lead project team continues to collect samples in Zone 3 and we are preparing to begin XRF of the new samples collected to date starting on Monday. Here's where we stand on 4/21:

1. Sampling metrics: There are 463 properties in Zone 3, and we sampled 343 of them before the winter demob. Of the remaining 120:

∇ Properties sampled since remob: 26 [5 properties sampled this week, including five 4-quadrant parcels of NIPSCO pipeline]

∇ Properties with access, not yet sampled: 23 [2 new access agreement last week]

∇ Properties without access: 53

∇ Properties with access denied: 18 [2 new refusals this week]

We also resampled the 6 to 12-inch zone of Quadrant A at 4840 Grasselli, where there was a previous data anomaly between the sample and the duplicate. At this point it is becoming clear that there will be a substantial number of properties in Zone 1 for which we will not be able to obtain access.

2. XRF correction factor: On 4/21, we received confirmation that Chemours agrees with using the XRF correction equation derived using a lognormal regression of EPA data only. As we have noted, there are minor and seemingly insignificant differences between the equations derived from EPA only, Chemours only, and a combined data set. Final XRF correction equations are as follows:

Adjusted LN Lead = (1.0256)*(LN XRF Lead value) + 0.0565

Adjusted LN Arsenic = (0.8086)*(LN XRF Arsenic value) + 0.2194

3. Designs: We forwarded on 4/21 new volumes for Zone 1, and new designs for three parcels: (1) Carrie Gosch elementary (quadrant C was divided into C and “front”), (2) Goodman Park (quadrants C and D were divided into new Quadrants C, D, E, F, and F), and (3) the right of way between public housing area and 151st St. At this point, Chemours has all draft designs for Zone 1 which all show *raw* XRF data. Our next step will be to prepare pre-final designs which show all data, including *corrected* XRF data. After review of these, we will issue final designs, which will show only the best data for a particular parcel (XRF, lab, or the higher of EPA or Chemours lab) for each interval. This is the same information that will appear on letters to residents.

4. Missing TCLP data: There are a 22 instances in Zone 1 where we have lab data that suggests the material may be hazardous, but we do not have TCLP data to verify one way or the other. There are two reasons for this: Some of the properties were characterized in the RI, and we did not collect very much TCLP in the RI, and there is significant disparity between the XRF results and the lab results (eg: the XRF was 680 and the lab was 2500). We need to discuss how to proceed with these instances.

5. Design document: Now that we have a final XRF correlation equation, we will prepare a prefinal design document that includes the XRF-corrected prefinal designs.

6. Schedule: We continue to sample, and are ready to begin XRFing our backlog of soils from the 26 properties sampled so far starting on Monday. We are finalizing our review of Chemours data validation reports and a document that details the results of our review will undergo internal review shortly. We hope to have a draft report summarizing our review available at the end of the month, which EPA may choose to share with Chemours.

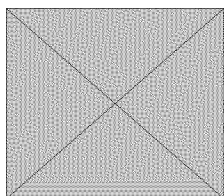
7. Fortnightly call: The next fortnightly call is scheduled for Monday 4/25 at 2:00 Central. If you have a particular issue you would like to discuss, please forward it to me.

Have a fabulous weekend,

Thanks,
Rik

Rik Lantz, P.G., LEED-AP

Director of Environmental Services



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